App. F. IX-4

1946-47 (Elec)

File No. 10 - 46

Serial Nos. 1 - 2

Previous References.

101 - 46

Later References.

Elec/2049-48. (7, 15,)
Elec 209-51- (1,2)

GENERAL AND REVENUE SECRETARIAT

Serial Nos. 2

Part B for October '46

SUBJECT

Electrification of Pavagadi & immediate vicinity.

G.O. & Os. 741-43 dt 17-9-'46

To The Chief Electrical Engr.
The Comptroller to Govt.
The Addl. Sec. Elec Deptt.

Sanction is ———

11.2.-40

7/10

Electrification of Pavagada and immediate vicinity. 1

General and Revenue Secretariat | File No. 10-1 of 1946-47 [App. F. III-2

Serial No.

Letter No. 723 dated the 5th July 1946 from the Chief Electrical Engineer.

Forwards for sanction an estimate for Rs. 1·86 lakhs for the above works.

The C.E.E. also requests sanction to:-

a) carry out the works departmentally
b) entertain the construction and maintenance establishments as provided for in the estimate
c) purchase the required materials through the S.P.C.

2. From the revenue forecast it is seen that a surplus of Rs. 9,175/- and this works out to 5 per cent on the capital cost of Rs. 1·86 lakhs. But the C.E.E. states that from experience it is found that all electrification schemes such as Pavagada will in a short time become remunerative for the Dept. The C.E.E. therefore considers that the scheme will be become remunerative in due course.

NOTE—Contn. Sheet.

v Electrification of Paragada
Immediate vicinity

45
Excel

File No. of 194 General and Revenue Secretariat

Serial No.

3. The Auditor, Elect. Dept. has observed that higher grades of Rs. 20-1-25 and Rs. 20-1-30 have been provided and that this requires special sanction of Govt. He has also raised another question about the rent to be recovered from the occupants of Govt. quarters. This general question is under consideration separately.

4. The CEE has made provision for the grant of construction allowance to the staff. As has been ordered in similar cases, the grant of construction allowance to staff hereto is inadmissible if the provision made is deleted, the estimate gets reduced to Rs. 1,85,750/-. The case is a schedule matter and may perhaps be disposed of by circulation. Submitted for Orders.

25/7 5) The estimate has already been sanctioned by Govt in April 1946 for extending the 33. K.V. line from Doddavaram to Paragada. The estimate for Rs. 1-86 lakhs now submitted by CEE is for the Electrification of Paragada town and an area within a radius of about 2 miles.

General and Revenue Secretariat | File No. 10-46 of 194 6-47 | [App. F. III-2

45 Elec

Serial No.

In revenue anticipation work out to about 5%. but CEE expect that it would double itself very soon in view of its great possibilities. The estimate may be sanctioned with the modification suggested in Para 4 supra.

Secy (I) 25/7

b) An esti for extending the 33 K.V.A. line from Doddaballapur to Pavagada has been already sanctioned by Govt in April 1-86. C.E.E has now put up an esti of Rs 1-86 lakhs for the electrification of Pavagada & its vicinity. A revenue of Rs is anticipated & this means a return of 9 1/2 % Post the C.E.E. expects that this would soon rise after completion of the works.

7) The estate required as proposed may be sanctioned with (i) the deletion of the Constn allowance & (ii) the usual grade of 15-1-20 as against the 20-1-25 provided to the Linemen may be allowed.

8) The work may be permitted to be done by departmental agency and the purchase of materials thro the Secy S.P.C. may also be approved. The case may be disposed of by Govt.

Min P.W
Dewan
Fin Secy

KW 26 2/46

KW 26/7 8) B

10)

11) 3 8/46 30/7 KW 2 8/46

KW 8/8 KW 8/46 KW 5 8/46.

OFFICE OF THE MINISTER FOR PUBLIC WORKS 3 AUG 1946 973

FINANCIAL SECRETARIAT U.O.No. Fl. 785 28/7

NOTE—Contn. Sheet. DEWAN'S OFFICE 6 AUG. 1946 NO 1046

Electrification of Davangere and immediate vicinity.

459

File No. 10 — of 1946-47

General and Revenue Secretariat

Serial No.

1) A note for circulation in Council is submitted for approval.

13/8

(Chief Secy.)

Rev. Secy.

KM/14/8/46

14/8

CHIEF SECRETARY'S 1210 16 AUG. 1946 GOVT. OF MYSORE

Submitted with a circulation memo.

15/8/46. 17/8/46

NOTE FOR CIRCULATION IN COUNCIL.

Subject:- Electrification of Pavagada and immediate vicinity.

In Government Order dated the 18th April 1946 an estimate for Rs 11,42,520/- was sanctioned for power supply to Pavagada Bagepalli, Gudibanda, Goribidnur etc.

The Chief Electrical Engineer has now forwarded for sanction an estimate for Rs 1.86 lakhs for the electrification of Pavagada and immediate vicinity. It is seen from the report accompanying the estimate that provision has been made for the installation of a 600 K.V.A. step-down Station at Pavagada utilising certain equipment, such as transformers, Switchboard and Arresters that will be released when the unit Sub-station is installed at Tumkur. A new 60 K.V.A. 4600 Volt Induction Voltage Regulator is proposed to be installed at Pavagada to have a satisfactory control of the voltage at the end of the long transmission line. With the power to this part of the State, it is hoped by the Chief Electrical Engineer that other industries would spring up in pavagada itself and the long pending question of the supply of water to the town would be solved.

The Chief Electrical Engineer has proposed the grant of construction allowance at 10 per cent of pay to the staff. As

6

As this is considered inadmissible, the provision made will have to be deleted and if this is done, the estimate gets reduced to Rs 1,85,750/- and the usual grade Rs 15-1-20 has also to be adopted against the grade of Rs 20-1-25 now proposed by the Chief Electrical Engineer.

The Minister for Public Works and the Dewan have agreed to the proposal as modified above and it requires the concurrence of the other Ministers of Council. The case is for disposal by circulation.

15/8/46.

45 C-C

7

BY CIRCULATION.

For Disposal ~~at a meeting~~

No. C. 222

of 1946-47.

45
Excel

GENERAL AND REVENUE SECRETARIAT

Council Matter

Subject

DEWAN'S OFFICE
3 - SEP. 1946
NO 1744

Proposal to sanction an estimate ~~amounting to Rs. 86,000~~ for the Electrification of Pavagada and immediate vicinity.

14) *Circulated to the Council of Ministers.*

By Order,

W. Damarakay
Chief Secretary to Government.

17th August 1946.

17/8/46

1) 8/8/46 1. Minister for Revenue. 20/8/46

3) 3 8 1 / 20.8.46 2. Minister for Education & Public Health. 21/8/46

10/8 3. Minister for Law. 22/8.

4. Minister for Public Works. (Seen)

OFFICE OF THE MINISTER FOR PUBLIC WORKS
1 1946
No. 1836

1631 / 22.8.46 5. Minister for Agriculture. 23/8/46

27) A D.F.N. in put up 27/8 Secy) Min P.W. 8/8/46 27/8 Signed copies of D.F.N. are in the file Dewan) 31/8 31/8 Excise Secy 23/8/46 MD 23/8/46 KW 8/8/46 KW 26/8/46 KW 26/8/46

Final Note by the Minister for Public Works.

Subject.— Electrification of Pavagada and immediate vicinity.

In Government Order dated the 18th April 1946, an estimate for Rs. 11,42,520/- was sanctioned for power supply to Pavagada, Bagepalli, Gudibanda, Goribidanur, etc.

The Chief Electrical Engineer has now forwarded for sanction an estimate for Rs. 1.86 lakhs for the electrification of Pavagada and immediate vicinity. It is seen from the report accompanying the estimate that provision has been made for the installation of a 600 K.V.A. step-down station at Pavagada utilising certain equipment, such as transformers, switchboard and arresters that will be released when the unit sub-station is installed at Tumkur. A new 60 K.V.A. 4600 volt induction voltage regulator is proposed to be installed at Pavagada to have a satisfactory control of the voltage at the end of the long transmission line. With the power to this part of the State, it is hoped by the Chief Electrical Engineer that other industries would spring up in Pavagada itself and the long pending question of the supply of water to the town would be solved.

The Chief Electrical Engineer has proposed the grant of construction allowance at 10 per cent of pay to the staff. As this is considered inadmissible, the provision made will have to be deleted and if this is done, the estimate gets reduced to Rs. 1,85,750/-. The usual grade of Rs. 15-1-20 to the linemen has also to be adopted against the grade of Rs. 20-1-25 now proposed by the Chief Electrical Engineer.

The Dewan and the other Ministers of Council have agreed to the proposal as modified above. I solicit the gracious sanction of His Highness thereto.

L. Siddappa

Bangalore,
31st August 1946.

Minister for Public Works.

Submitted to His Highness

I submit herewith a Final Note by the Minister for Public Works on the proposal to sanction a modified estimate for Rs 1,85,750/- for the electrification of Pavagada and certain other places in its vicinity, for the gracious sanction of His Highness.

A Ramaswamy Mudaliar

Bangalore,
3rd September 1946.

D E W A N.

Record of Cases submitted for the Orders of His Highness the Maharaja.

Subject.

Proposal to sanction a modified estimate for Rs 1,85,750/- for the electrification of Pavagada and certain other places in its vicinity.

253

Order.

K.N.
5/9/'46.

22) Chief Secretary
ARH
7/9

23) WP
9/9/46

General and Revenue Secretariat. 45 Secl C 222

SUBJECT:—

Proposal to sanction a modified estimate for Rs.1,85,750/- for the electrification of Pavagada and certain other places in its vicinity.

24) Dasne + circle. KW 17/9/46

(*)

14. All urgent or confidential files returned with His Highness' orders may, in the absence of instructions or indications to the contrary, be ordinarily circulated to the Ministers for perusal after the issue of orders.

16. The Secretaries concerned should see that orders in the cases referred to above are issued at once and that the files are returned immediately after, to the Chief Secretary for circulation to the Ministers.

17. In all other cases, the files will first be circulated to the Ministers at Headquarters and then sent to the Secretariat concerned for the issue of orders.

Circulated to Council of Ministers for perusal of His Highness' orders before/after issue of orders. (*Vide* Rules 14, 16 and 17 of the Subsidiary Rules of the Mysore Government Business Rules.) (*)

Sd/- Udayaravi
Chief Secretary to Government.
9/9/46

Through the Secretary to Government,
Electrical .....Department.

2165/28.9.46 1. Minister for Education & Public Health. 29/9/46

1971/26/9 2. Minister for Law. 24/9/46.

2399/25/9 3. Minister for Agriculture and Public Works. 26/9/46.

2433/26.9.46 4. Minister for Home. 25/9/46

2390/27/9/46 5. Minister for Revenue and Communications.

NOTE.—Contn. sheet

2/10/46

KW 1/10/46

Secretary to Government,
Elec: Department,
(with compliments). 1/10/46

Electrification of Paraşada and immediate vicinity. 12

General and Revenue Secretariat | File No. 10 of 1946-47 | [App. F. III-2

Serial No.	
45/Local	25) A draft G.O. is putup for approval. Secy) 26) RK 11/9 11/9 11/9 27) Issue KW 12/9/46 RK 12/9 Issued in No. BOS 741-43/Elect 10-46-2 dated 17th September 1946 To the Chief Electrical Engineer, the Comptroller to Govt and the Auditor, Electrical Deptt, Sanctioning the estimate for Rs. 1,85,750/-
	28) The file will now be sent to the Chief Secretary for circulation of file. 17/9 17/9 Secy) RK 18/9
	Chief Sec wlc. Dist Engineer Favr of circ. KW 20/9/46
	C.B. RK 20/9 Circulate. WT 22/9/46.

CHIEF SECRETARIAT 2052 20 SEP 1946 GOVT OF T.N.(FAC)

NOTE—Contn. Sheet.

Elect 10-46-1. 1

TELEPHONE No. 2110.

GOVERNMENT OF MYSORE
ELECTRICAL DEPARTMENT

IN REPLY REFER TO NO. 723 ENCLO One Estimate in Triplicate Report in Triplicate

OFFICE OF THE CHIEF ELECTRICAL ENGINEER

TELEGRAPHIC ADDRESS: "GOMED"

Bangalore, 26th June 1946.
~~(MYSORE, S. INDIA.)~~
5th July 1946

CODES USED
BENTLEY'S LIEBER'S
A. B. C. 6TH EDITION
BUSINESS TELEGRAPH CODE.

W.V.D.

SECRETARY TO GOVERNMENT. Dfo Elec KW 617 PH

INDUSTRIAL SECRETARIAT BANGALORE Rec. No. 45 Date 6-7-1946

The Secretary to Government,
Electrical Department,
BANGALORE.

Sir,

Electrification of Pavagada and immediate vicinity

I have the honour to invite reference to correspondence ending with your letter No. EDS. 2387-89 dated 18-4-1946 sanctioning an estimate for a transmission line to Pavagada via Doddaballapur, and herewith forward an estimate for Rs. 1.86 lakhs for the electrification of Pavagada and its immediate vicinity.

This estimate has been prepared based on present day costs of materials and labour and after a load survey of the area had been made. I request you to kindly obtain sanction of Government therefor for taking further needful action at a very early date. As this scheme of electrification of Pavagada has been a long pending subject of considerable discussion and agitation, it is requested that early sanction of Government may be obtained and communicated.

While communicating sanction of Government, sanction may also be kindly obtained for carrying out the work departmentally, for the entertainment of necessary Construction and Maintenance Establishments as provided for in the estimate and also for the purchase of materials required for the work through the Secretary, Stores Purchase Committee, Bangalore.

In this connection, it may be mentioned that

P.T.O.

that even though the anticipated revenue works out low as compared with other schemes, it may be stated from experience that electrification of places such as - - Pavagada, will in a very short time be remunerative propositions for the Department. It has been observed in other areas, that within the course of the first few - years, very large number of installations, Agricultural, Industrial and Domestic have come up and the return has exceeded the anticipations. Apart from this, the area which it is now proposed to electrify is in urgent need of electric power for lifting water for irrigation purposes, and the initial low return, it is felt, should - not come in the way of sanctioning a beneficial scheme as the one under consideration.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Electrical Engineer.

Auditor's Certificate.

Estimate is verified with reference to Grant and allocation.

2. The Construction Allowance of 10% of the Salary provided under Estimate 'D' requires special sanction of Government.

3. Special sanction of Government is also necessary for undertaking the work as per para 1180-II-2(a) of M. E.A.C. Vol. II, as the anticipated return on the initial Capital Cost is less than 10%.

Maintenance Establishment.

4. The higher grades of Rs.20-1-25 and Rs.20-1-30 provided for the Linemen as against the lower grade of Rs.15-1-20, requires special sanction of Government.

Estimate 'C' Buildings for the Staff.

5. Even if rent is recovered from all the employees occupying the quarters, the amount will be about Rs.813/- per annum which works up to about 2% on the Capital Cost

contd.

of the Buildings as against 7% required by rules. The Chief Electrical Engineer's view expressed in someother connection that the return on the Buildings should not be considered separately, but the return on the total Scheme has to be taken into consideration, is not acceptable to audit, as it contravenes the financial rule that the Capital Cost of a Building to be constructed should be so regulated as rental calculated under the rules should not exceed 10% of the Salary of the employees who usually occupy them.

AUDITOR,
Electrical Department.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

REPORT TO ACCOMPANY THE ESTIMATE FOR THE ELECTRIFICATION OF PAVAGADA.

An estimate for Rs. 1,86,000/- is enclosed for the electrification of Pavagada Town and an area within a radius of about 2 miles.

Reference is here invited to G.O. EDS. No. 2387-89 dated 18-4-1946 wherein an estimate for extending a 33 K.V. line from Doddaballapur to Pavagada has been sanctioned by Government. The present estimate provides for the installation of a 600 K.V.A. step-down Station at Pavagada (Estimate"A") utilizing certain equipment, such as transformers, Switchboard and Arresters that will be released when the Unit Sub-Station is installed at Tumkur as contemplated in the estimate forwarded to Government in this Office letter No. 31312 dated 6/7th May 1946 for sanction. For the satisfactory control of the voltage at the end of the long transmission line, a new 60 K.V.A., 4600-volt, Induction Voltage Regulator will be installed in Pavagada. Estimate "B" provides for the distribution system in and around Pavagada Town. Adequate provision has been included for the necessary Station, Office, Stores Buildings and for the Mainteance Staff Quarters (Estimate "C"). The electrification works will be carried out Departmentally and the staff required therefore has been shown in Estimate "D". As an extensive area will have to be electrified and satisfactorily maintained, the Staff detailed in Estimate "E" is required for the purpose.

As has been already stated by me in the report accompanying the now sanctioned Pavagada Transmission line, Pavagada is the Head-quarters of a large and prosperous Taluk. The entire area has not been exploited to any great extent either agriculturally or industrially. But with the advent of electric power for lighting, heating, industrial and agricultural operations, one feels sure -

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

ABSTRACT ESTIMATE FOR THE ELECTRIFICATION OF PAVAGADA.

Sl No.	Particulars.	Estimate.	Amount.
1.	For installation of a Step-down Station 600 K.V.A. at Pavagada.	"A"	46,300- 0- 0
2.	For distribution system in and around Pavagada.	"B"	63,800- 0- 0
3.	For buildings at Pavagada.	"C"	65,000- 0- 0
4.	For Construction Allowances and Establishment.	"D"	2688-0-0 2946-0-0 ~~3,006~~- 0- 0
5.	Tools & Plant.		2,000- 0- 0
6.	Miscellaneous.		1,000- 0- 0
7.	Contingencies & for rounding.		4,954-0-0 ~~4,894~~- 0- 0
	Total Rs.		1,85,742-0-0 ~~1,86,000-0-0~~

1,85,750/-
Rs. ~~1,86,000/-~~

186,000
185,742
258

Annual Maintenance Establishment as per Estimate "E". Rs. 8,150/-

Certified that I have personally visited the spot & prepared this estimate in the most economical & safe way of executing the work using current rates

KM-JS.

CHIEF ELECTRICAL ENGINEER.

5

sure that progress will not be delayed. The present obselete method of irrigating the land by the use of 'Kapila' a method which has outlived its usefulness in the present day workd, will rapidly disappear and enable the now partially tilled lands to be more fully developed bringing more food and wealth to the peoples of the area.

The present estimate has been prepared to distribute power to Pavagada Town and the immediate vicinity only; but it is felt that with the advent of electricity into this remote part of the State, it will be possible to extend it to all areas of the Taluk in the course of a few years. Further, it is possible that other industries would certainly spring up in Pavagada itself and also that the long pending question of efficient water supply system to the Town would be thereby solved.

The revenue anticipation is based on the data that has been obtained by a load survey of the area and is definitely the very minimum figure that would immediately arise. It is considered that with the extension of rural lines in several directions from Pavagada this revenue would easily more than double itself in a very short space of time. It is felt, therefore, that the initial low return should not come in the way of sanctioning a beneficial scheme as the one referred to above.

MH-KM-JS.

CHIEF ELECTRICAL ENGINEER.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT. 7

ESTIMATE "A".

ESTIMATE FOR THE INSTALLATION OF A STEP DOWN STATION 600 K. V. A. CAPACITY AT PAVAGADA.

Item No.	Particulars.	Unit.	Quantity.	Rate.	Amount. Rs. A. P.
1.	Transformers 200 K.V.A. single-phase, 25 cycles, O.I.S.C. 35000/2300/4600 V.	No.	3	Lot.	6884-0-0
2.	35 K.V. outdoor type 3-phase oxide film lightning Arresters with disconnecting switches.	Set.	1	Lot.	806-0-0
3.	Three panel switchboard with all indicating instruments, relays, manually operated.	Set.	1	Lot.	4607-0-0
4.	Induction Voltage Regulator, 3-phase, 60 K.V.A. 10% buck/boost complete.	No.	1	25000-0-0 (Estimated)	25000-0-0
5.	Miscellaneous materials such as cables, jointing materials, insulators, etc.			L. S.	2000-0-0
6.	Transportation charges.			L. S.	1500-0-0
7.	Labour charges for erection of transformers, arresters, switchboard, Regulator, etc.				3000-0-0
8.	Stock incidentals @ 6¼% on items 1 to 5.				2456-0-0
	Or Say Rs. 46,300/-			Total Rs.	46253-0-0

Items 1,2 & 3 are material to be released from Tumkur consequent to installation there of a 1500 K.V.A. Master Unit Sub-Station. Estimate sent to Secretary to Govt., Electrical Department, Bangalore, in this Office No. 31312 dated 6/7th May 1946.

KM-JS.

CHIEF ELECTRICAL ENGINEER.

Government of Mysore. Electrical Department.

ESTIMATE "B"

Estimate for the interior distribution of Pavagada Town and for power supply to Irrigation pumps (20) within a radius of two miles.

Sl No.	Names of materials, etc.,	Unit.	Quantity.	Rate.	Amount.
1.	Ascu treated poles 30'.	No.	120	31-0-0	3720-0-0
2.	Ascu treated poles 26'.	No.	160	22-0-0	3520-0-0
3.	Cross Arms angle iron of sizes.	No.	480	5-0-0	2400-0-0
4.	Insulators with pins 8 K.V.	No.	1400	3-0-0	4200-0-0
5.	Guy sets.	No.	50	15-0-0	750-0-0
6.	Wire copper, H.D.B.C. No 6 B & S.	Mile.	25	275-0-0	6875-0-0
7.	Distribution transformers, single phase, 25 cyls. 4600/230 V. with hooks and oil. 15 K.V.A.	No.	3	1450-0-0	4350-0-0
8.	-do- 10 K.V.A.	No.	3	1000-0-0	3000-0-0
9.	-do- 5 K.V.A.	No.	9	625-0-0	5625-0-0
10.	-do- 3 K.V.A.	No.	9	500-0-0	4500-0-0
11.	Two pole transformer structures complete with cross-arms, braces, etc.	No.	8	150-0-0	1200-0-0
12.	Expulsion primary fuse cut-outs 8 K.V.	No.	30	30-0-0	900-0-0
13.	Arresters lightning 3-6 K.V.	No.	30	40-0-0	1200-0-0
14.	Parallel street light fittings with lamps.	No.	60	30-0-0	1800-0-0
15.	C.I. boxes T.P. fuses, etc. large.	No.	25	20-0-0	500-0-0
16.	C.I. boxes S.P. fuses, etc. small.	No.	250	10-0-0	2500-0-0
17.	Miscellaneous materials, such as H.T./L.T. wires, soldering materials, paint, sundries & cement, etc.			L. S.	2000-0-0
18.	Meters, 220-V. 3-phase, 25 cycles 10 to 100 amps.	No.	25	60-0-0	1500-0-0
19.	Meters 220-V. Single phase, 25 cyls. 3 to 10 Amps.	No.	50	30-0-0	1500-0-0
20.	Time switch for parallel street lighting.	No.	1	125-0-0	125-0-0
21.	Transportation charges.			L. S.	3000-0-0
22.	Erection charges:-				
	a) 30' poles @ Rs.8/- & 26' poles @ Rs. 6/- with crossarms, braces, insulators, etc.			Rs. 1920/-	
	b). Transformer centres & structures @ Rs. 30/-			Rs. 240/-	
	c) Copper wire stringing @ Rs.20/- mile.			Rs. 500/-	
	d) Fixing street lights, ornamental lights, underground cables, meters, C.I. boxes, switches, etc.			Rs. 500/-	
	e) Fixing guy sets, arresters, miscellaneous.			Rs. 840/-	
					4000-0-0
23.	Stock incidentals @ 25% on items 1 & 2 & at 6¼% on items 3-20.				4618-0-0
	Or Say Rs. 63,800/-			Total Rs.	63783-0-0

KM-JS.

CHIEF ELECTRICAL ENGINEER.

GOVERNMENT OF MYSORE. ESTIMATE "C" ELECTRICAL DEPARTMENT.

ESTIMATE FOR THE COST OF BUILDINGS AT PAVAGADA.

Sl No.	Particulars.	Unit.	Quantity.	Rate.	Amount.
1.	Combined Station, Office & Stores building.	No.	1	20000-0-0	20000-0-0
2.	Semior Operator's Quarters. Drg.G.379" Operators & Accounts Clerk -		1	7000-0-0	7000-0-0
3.	Double Block/quarters. Drg. G. 383.	No.	2	9000-0-0	18000-0-0
4.	Line Mechanic. Drg. G-473.	No.	1	3500-0-0	3500-0-0
5.	Line Men's quarters for 8 Men. Drg. No. S.N.P. 33.	No.	2	6500-0-0	13000-0-0
6.	Water supply, lighting, fencing Miscellaneous, etc.			L. S.	3500-0-0
	Rs. 65,000/-			Total Rs.	65000-0-0

KM-JS.

CHIEF ELECTRICAL ENGINEER.

GOVERNMENT OF MYSORE. ESTIMATE "D" ELECTRICAL DEPARTMENT.

CONSTRUCTION ESTABLISHMENT.

Sl No.	Particulars.	No.	Pay. (Average)	10% allowances.	Period in months.	Amount.
1.	Senior Operator, Rs.80-5-125 + Rs. ~~15~~/- 5/- C.A.	1	108	11	6	678-0-0 ~~744~~-0-0
2.	Line Inspector, Rs.35-5/2-80 + Rs. 5/- C.A.	1	58	6	6	378-0-0 ~~414~~-0-0
3.	Accounts Clerk & Store-keeper on Rs. 40-3-70-5-100 one at Pavagada & one at Chickkaballapur.	2	74	7	6	888-0-0 972-0-0 ~~1032~~-0-0
4.	Time keeper on Rs.30-3-45.	1	~~41½~~	4	6	248-0-0 ~~272~~-0-0
5.	Miscellaneous Clerks on Rs. 30-3-45.	2	~~41½~~	4	6	496-0-0 ~~544~~-0-0
	Rs. ~~3,006~~/- 2946/-			Total Rs.		~~3006~~-0-0 2946-0-0 2688-0-0

KM-JS.

CHIEF ELECTRICAL ENGINEER.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT. /0

ANNUAL MAINTENANCE ESTABLISHMENT.

Sl No.	Particulars.	No.	Average pay per month.	Cost per annum.
1.	Senior Operator on Rs. 80-5-125 + C.A. Rs. 5/-	1	108 + 5	1356-0-0
2.	Operator on Rs. 35-5/2-80.	40	58	2784-0-0
3.	Accounts Clerk & Store-keeper on Rs. 40-3-70-5-100 & D.A. Rs. 5/-	1	74 + 5	948-0-0
4.	Line Mechanic Rs. 35-2-45 + C.A. Rs. 2/-	1	41-2/3 + 2.	524-0-0
5.	Linemen on Rs. 20-1-30.	4	26-1/9	1254-0-0
6.	Linemen on Rs. 20-1-25	4	23-1/3	1120-0-0
7.	Sweeper on Rs. 12/-	1	12	144-0-0
			Total Rs.	8130-0-0

Rs. 8,130/-

KM-JS.

CHIEF ELECTRICAL ENGINEER.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

REVENUE ANTICIPATIONS FROM PAVAGADA.

Sl No.	Particulars.	No.	Rate/Annum.	Revenue/Annum.
1.	Street lights. - 60 watts.	60	Rs. 22-8-0	Rs. 1,350- 0- 0
2.	House connections.			
	a) Metered.	50	Rs. 24-0-0	Rs. 1,200- 0- 0
	b) Flat rate - 3 lights.	100	Rs. 18-0-0	Rs. 1,800-0- 0
	c) -do- - 2 lights.	50	Rs. 12-0-0	Rs. 600-0-0
	d) -do- - 1 light.	50	Rs. 6-0-0	Rs. 300- 0- 0
3.	Power Installations.	2 of 45 H.P.	Rs. 65/- per H. P.	Rs. 2925- 0- 0
4.	Irrigation Pumps.	20	Rs. 50/- each.	Rs. 1000- 0- 0
			Total	Rs. 9175- 0- 0

Capital = Rs. 1,86,000/-

Annual Revenue. = Rs. 9,175/- or 5%.

CHIEF ELECTRICAL ENGINEER.

KM-JS.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

ABSTRACT ESTIMATE FOR THE ELECTRIFICATION OF PAVAGADA.

Sl No.	Particulars.	Estimate.	Amount.
1.	For installation of a Step-down Station 600 K.V.A. at Pavagada.	"A"	46,300- 0- 0
2.	For distribution system in and around Pavagada.	"B"	63,800- 0- 0
3.	For buildings at Pavagada.	"C"	65,000- 0- 0
4.	For Construction Allowances and Establishment.	"D"	2,946-0-0 Illegible ~~3,096~~- 0- 0
5.	Tools & Plant.		2,000- 0- 0
6.	Miscellaneous.		1,000- 0- 0
7.	Contingencies & for rounding.		4,954-0-0 Illegible ~~4,894~~- 0- 0
		Total Rs.	1,86,000- 0- 0

Rs. 1,86,000/-

Annual Maintenance Establishment as per Estimate "E". Rs. 8,130/-

Certified that I have personally visited the spot and prepared this estimate in the most economical and safe way of executing the work using current rates.

Kuttan 5/7

KM-JS.

Kuttan 5/7
CHIEF ELECTRICAL ENGINEER.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

TO ACCOMPANY THE ESTIMATE FOR THE ELECTRIFICATION OF PAVAGADA.

An estimate for Rs. 1,66,000/- is enclosed for the electrification of Pavagada Town and an area within a radius of about 2 miles.

Reference is here invited to G.O. Fin. No. 2087-89 dated 18-4-1946 wherein an estimate for extending a 33 K.V. line from Doddaballapur to Pavagada has been sanctioned by Government. The present estimate provides for the installation of a 600 K.V.A. step-down Station at Pavagada (Estimate"A") utilising certain equipment, such as transformers, Switchboard and Arrestors that will be released when the Unit Sub-Station is installed at Tumkur as contemplated in the estimate forwarded to Government in this Office letter No. 3312 dated 6/7th May 1946 for sanction. For the satisfactory control of the voltage at the end of the long transmission line, a new 60 K.V.A., 4600-volt, Induction Voltage Regulator will be installed in Pavagada. Estimate "B" provides for the distribution system in and around Pavagada Town. Adequate provision has been included for the necessary Station, Office, Stores Buildings and for the maintenance staff Quarters (Estimate "C"). The electrification works will be carried out Departmentally and the staff required therefore has been shown in Estimate "D". As an extensive area will have to be electrified and satisfactorily maintained, the Staff detailed in Estimate "E" is required for this purpose.

As has been already stated by me in the report accompanying the now sanctioned Pavagada Transmission line, Pavagada is the Head-quarters of a large and prosperous Taluk. The entire area has not been exploited to any great extent either agriculturally or industrially. But with the advent of electric power for lighting, heating, industrial and agricultural operations, one feels sure -

sure that progress will not be delayed. The present obsolete method of irrigating the land by the use of 'Kapila' a method which has outlived its usefulness in the present day world, will rapidly disappear and enable the now partially tilled lands to be more fully developed bringing more food and wealth to the peoples of the area.

The present estimate has been prepared to distribute power to Pavagada Town and the immediate vicinity only; but it is felt that with the advent of electricity into this remote part of the State, it will be possible to extend it to all areas of the Taluk in the course of a few years. Further, it is possible that other industries would certainly spring up in Pavagada itself and also that the long pending question of efficient water supply system to the Town would be thereby solved.

The revenue anticipation is based on the data that has been obtained by a load survey of the area and is definitely the very minimum figure that would immediately arise. It is considered that with the extension of rural lines in several directions from Pavagada this revenue would easily more than double itself in a very short space of time It is felt, therefore, that the initial low return should not come in the way of sanctioning a beneficial scheme as the one referred to above.

MH-KM-JS.

CHIEF ELECTRICAL ENGINEER.

CONSTRUCTION ESTABLISHMENT.

Sl No.	Particulars.	No.	Pay. (Average)	10% allowances.	Period in months.	Amount.
1.	Senior Operator, Rs.80-5-125 + Rs. ~~15~~ 5/- C.A.	1	108	11	6	744-0-0
2.	Line Inspector, Rs.35-5/2-80 + Rs. 5/- C.A.	1	58	6	6	414-0-0
3.	Accounts Clerk & Store-keeper on Rs. 40-3-70-5-100 one at Pavagada & one at Chickkaballapur.	2	74	7	6	972-0-0 ~~1032~~-0-0
4.	Time keeper on Rs.30-3-45.	1	~~41½~~	4	6	272-0-0
5.	Miscellaneous Clerks on Rs. 30-3-45.	2	~~41½~~	4	6	544-0-0
	Rs. ~~3,006~~ 2,946/-			Total Rs.		~~3006~~-0-0 2,946-0-0

KM-JS.

CHIEF ELECTRICAL ENGINEER

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3.	Accounts Clerk & Store-keeper on Rs. 40-3-70-5-100 one at Pavagada & one at Chickka-ballapur.	2	74	7	6	972-0-0 ~~1032~~-0-0
4.	Time keeper on Rs.30-3-45.	1	~~41½~~	4	6	272-0-0
5.	Miscellaneous Clerks on Rs. 30-3-45.	2	~~41½~~	4	6	~~544~~-0-0
	Rs. ~~3,006~~/- 2,946/-			Total Rs.		~~3006~~-0-0 2,946-0-0

KK-JS.

CHIEF ELECTRICAL ENGINEER.

REPORT TO ACCOMPANY THE ESTIMATE FOR THE ELECTRIFICATION OF PAVAGADA.

An estimate for Rs. 1,86,000/- is enclosed for the electrification of Pavagada Town and an area within a radius of about 2 miles.

Reference is here invited to G.O. EDS. No. 2387-89 dated 18-4-1946 wherein an estimate for extending a 33 K.V. line from Doddaballapur to Pavagada has been sanctioned by Government. The present estimate provides for the installation of a 600 K.V.A. step-down Station at Pavagada (Estimate"A") utilizing certain equipment, such as transformers, Switchboard and Arresters that will be released when the Unit Sub-Station is installed at Tumkur as contemplated in the estimate forwarded to Government in this Office letter No. 31312 dated 6/7th May 1946 for sanction. For the satisfactory control of the voltage at the end of the long transmission line, a new 60 K.V.A., 4600-volt, Induction Voltage Regulator will be installed in Pavagada. Estimate "B" provides for the distribution system in and around Pavagada Town. Adequate provision has been included for the necessary Station, Office, Stores Buildings and for the Maintenance Staff Quarters (Estimate "C"). The electrification works will be carried out Departmentally and the staff required therefore has been shown in Estimate "D". As an extensive area will have to be electrified and satisfactorily maintained, the Staff detailed in Estimate "E" is required for the purpose.

As has been already stated by me in the report accompanying the now sanctioned Pavagada Transmission line, Pavagada is the Head-quarters of a large and prosperous Taluk. The entire area has not been exploited to any great extent either agriculturally or industrially. But with the advent of electric power for lighting, heating, industrial and agricultural operations, one feels sure -

sure that progress will not be delayed. The present obsolete method of irrigating the land by the use of 'Kapila' a method which has outlived its usefulness in the present day world, will rapidly disappear and enable the now partially tilled lands to be more fully developed bringing more food and wealth to the peoples of the area.

The present estimate has been prepared to distribute power to Pavagada Town and the immediate vicinity only; but it is felt that with the advent of electricity into this remote part of the State, it will be possible to extend it to all areas of the Taluk in the course of a few years. Further, it is possible that other industries would certainly spring up in Pavagada itself and also that the long pending question of efficient water supply system to the Town would be thereby solved.

The revenue anticipation is based on the data that has been obtained by a load survey of the area and is definitely the very minimum figure that would immediately arise. It is considered that with the extension of rural lines in several directions from Pavagada this revenue would easily more than double itself in a very short space of time. It is felt, therefore, that the initial low return should not come in the way of sanctioning a beneficial scheme as the one referred to above.

Kumarchari

CHIEF ELECTRICAL ENGINEER.

UH-KM-JS.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

ABSTRACT ESTIMATE FOR THE ELECTRIFICATION OF PAVAGADA.

Sl No.	Particulars.	Estimate.	Amount.
1.	For installation of a Step-down Station 600 K.V.A. at Pavagada.	"A"	46,300- 0- 0
2.	For distribution system in and around Pavagada.	"B"	63,800- 0- 0
3.	For buildings at Pavagada.	"C"	65,000- 0- 0
4.	For Construction Allowances and Establishment.	"D"	2,946-0-0 ~~3,000- 0- 0~~
5.	Tools & Plant.		2,000- 0- 0
6.	Miscellaneous.		1,000- 0- 0
7.	Contingencies & for rounding.		4,954-0-0 ~~4,800- 0- 0~~
		Total Rs.	1,86,000- 0- 0

Rs. 1,86,000/-

Annual Maintenance Establishment as per Estimate "E". Rs. 8,140/-

Certified that I have personally visited the spot and prepared this estimate in the most economical and safe way of executing the work using current rates.

Kuttaran

KM-JS.

Kuttaran
CHIEF ELECTRICAL ENGINEER.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

CONSTRUCTION ESTABLISHMENT.

Sl. No.	Particulars.	No.	Pay (Average)	Period in months.	Amount.
1.	Senior Operator Rs 80-5-125 + Rs 5 C.A.	1	108	6	678 0 0
2.	Line Inspector Rs 35-5/2-80 + Rs 5/- C.A.	1	58	6	378 0 0
3.	Accounts Clerk and Store-keeper on Rs 40-3-70-5-100 one at Pavagada and one at Chickballapur	2	74	6	888 0 0
4.	Time Keeper on Rs 30-3-45	1	41¼	6	248 0 0
5.	Miscellaneous Clerks on Rs30-3-45	2	41¼	6	496 0 0
	Total			Rs	2,688 0 0

For Secretary to Government,
Electrical Department.

A.N.16th

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

CONSTRUCTION ESTABLISHMENT.

Sl. No.	Particulars.	Pay No.	(Average)	Period in months.	Amount.
1.	Senior Operator Rs 80-5-125 + Rs 5 C.A.	1	108	6	678 0 0
2.	Line Inspector Rs 35-5/2-80 + Rs 5/- C.A.	1	58	6	378 0 0
3.	Accounts Clerk and Store-keeper on Rs 40-3-70-5-100 one at Pavagada and one at Chickballapur	2	74	6	888 0 0
4.	Time Keeper on Rs 30-3-45	1	41¼	6	248 0 0
5.	Miscellaneous Clerks on Rs30-3-45	2	41¼	6	496 0 0
	Total			Rs	2,688 0 0

For Secretary to Government,
Electrical Department.

A.N.16th

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

Abstract estimate for the electrification of Pavagada.

Sl. No.	Particulars.	Amount. Rs.		
1.	For installation of a Step-down Station 600 K.V.A. at Pavagada.	46,300	0	0
2.	For distribution system in and around Pavagada	63,800	0	0
3.	For buildings at Pavagada	65,000	0	0
4.	For ~~Supervision establishment and~~ Construction Establishment	2,688	0	0
5.	Tools and Plant.	2,000	0	0
6.	Miscellaneous	1,000	0	0
7.	Contingencies and for rounding	4,954	0	0
8	Total	Rs1,85,742	0	0

or Say Rs. 1,85,750/-

(Rupees one lakh eighty five thousand seven hundred and fifty only)

for Secretary to Government,
Electrical Department.

A.N.16th

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT. 23

Abstract estimate for the electrification of Pavagada.

Sl. No.	Particulars.	Amount. Rs.
1.	For installation of a Step-down Station 600 K.V.A. at Pavagada.	46,300 0 0
2.	For distribution system in and around Pavagada	63,800 0 0
3.	For buildings at Pavagada	65,000 0 0
4.	For Construction ~~Advance and~~ Establishment	2,688 0 0
5.	Tools and Plant.	2,000 0 0
6.	Miscellaneous	1,000 0 0
7.	Contingencies and for rounding	4,954 0 0

Total Rs. 1,85,742-0-0

Or say Rs. 1,85,750/-

By

For Secretary to Government,
Electrical Department.

(Rupees one lakh eighty five thousand seven hundred and fifty only)

GOVERNMENT OF MYSORE.

ELECTRICAL DEPARTMENT

REVENUE ANTICIPATIONS FROM PAVAGADA.

Sl No.	Particulars.	No.	Rate/Annum.	Revenue/Annum.
1.	Street lights. - 60 watts.	60	Rs. 22-8-0	Rs. 1,350- 0- 0
2.	House connections.			
	a) Metered.	50	Rs. 24-0-0	Rs. 1,200- 0- 0
	b) Flat rate - 3 lights.	100	Rs. 18-0-0	Rs. 1,800-0- 0
	c) -do- - 2 lights.	50	Rs. 12-0-0	Rs. 600-0-0
	d) -do- - 1 light.	50	Rs.. 6-0-0	Rs. 300- 0- 0
3.	Power Installations.	2 of 45 H.P.	Rs. 65/- per H. P.	Rs. 2925- 0- 0
4.	Irrigation Pumps.	20	Rs. 50/- each.	Rs. 1000- 0- 0
			Total	Rs. 9175- 0- 0

Capital = Rs. 1,86,000/-

Annual Revenue. = Rs. 9,175/- or 5%.

KM-JS.

Kuttappa
CHIEF ELECTRICAL ENGINEER.

25

GOVERNMENT OF MYSORE.

ELECTRICAL DEPARTMENT.

REVENUE ANTICIPATIONS FROM PAVAGADA.

Sl No.	Particulars.	No.	Rate/Annum.	Revenue/Annum.
1.	Street lights. - 60 watts.	60	Rs. 22-8-0	Rs. 1,350- 0- 0
2.	House connections.			
	a) Metered.	50	Rs. 24-0-0	Rs. 1,200- 0- 0
	b) Flat rate - 3 lights.	100	Rs. 18-0-0	Rs. 1,800-0- 0
	c) -do- - 2 lights.	50	Rs. 12-0-0	Rs. 600-0-0
	d) -do- - 1 light.	50	Rs. 6-0-0	Rs. 300- 0- 0
3.	Power Installations.	2 of 45 H.P.	Rs. 65/- per H. P.	Rs. 2925- 0- 0
4.	Irrigation Pumps.	20	Rs. 50/- each.	Rs. 1000- 0- 0
			Total	Rs. 9175- 0- 0

Capital = Rs. 1,86,000/-

Annual Revenue. = Rs. 9,175/- or 5%.

CHIEF ELECTRICAL ENGINEER.

KH-JS.

G. R. S. App. F VI—G. 2]

SUBJECT..... Electrification of Pavagada and immediate vicinity.

Diary No. of letter replied to 45

Section Elect

File No. 10—46.

Serial No. 2.

General and Revenue Secretariat

( )

the 19 .

Proceedings of the Government of His Highness the Maharaja of Mysore.

Date of issue..... 17/9/ ..... 1946.

Signed by . Sd/- P. Krishnaraju .....

Read— x) Elect. 101-45-4 dy. 6. No. EDS. 2387-89 dated the 18th April 1946 sanctioning an estimate for Rs. 11,42,520/- for constructing a 33 K.V. transmission line to give supply power available at Pavagada, Bagepalli, Gudibanda Gauribidnur etc. and for increasing the capacity of the transmission line between Bangalore and Doddballapur.

2. Letter No. 723 dated the 5th July 1946 from the C.E.&.

May this be—

(i) printed?

(ii) treated as a standing order?

(iii) published in the Gazette, English Part?

(iv) translated?

(v) placed at the disposal of the Press?

(vi) published in the Gazette, Kannada Part?

4 copies of Flags A & C)

Order thereon—No.

Sd/-
16/9/46

forwarding for sanction an estimate for Rs. 1.86 lakhs (Rupees one lakh and eighty six thousand) ~~only~~ for the electrification of Kavaraida and its immediate vicinity and requesting approval of Govt :- to

a) carry out the works departmentally
b) entertain the Construction and Maintenance establishments as provided for in the estimate.
c) purchase the required materials through the Secretary, S.P.B.

Order No. EDS 741-43/Elect 10-46-2.

Dy 11 September 1946. List of Enclosures

Govt. are pleased to sanction a reduced estimate for Rs. 1,85,750/- (Rupees one lakh eighty ~~seventy~~ five thousand seven hundred & fifty only) the other proposals of the C.E. & read above,

Copied by
Examined by

G. R. S. App. F. G. 3.

GENERAL AND REVENUE SECRETARIAT.

(*Continuation sheet draft form*).

after deleting the provision made for the grant of Construction allowance, as the same is inadmissible under the rules.

2. Govt. ~~also~~ also direct that the usual grade Rs. 15-1-20 to the linemen ~~may~~ be adopted ~~as~~ against the grade of Rs. 20-1-25 proposed by the C.E.E.

KW/12 9/46

Secretary to Govt., P.W. Electrical Dept.

To

D 11/9

The C.E.E. (with a copy of the estimate)

The Comptroller to Govt.

The Auditor, Elect. Dept. (with a copy of the estimate)

WD 03697—GPB—30,000—2-2-46